

1. Exercice

<pre>tRandom = [6,5,2,2,4,1,2,6,8,2] afficher le résultat de getNumberCnt(tRandom));</pre>	<pre>function getNumberCnt(arr){ return arr.reduce(function(prev,next){ prev[next] = (prev[next] + 1) 1; return prev; },{});}</pre>
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Pour la suite on utilise les données suivantes :

<p>Voici la liste des votants et leur nombre de votants.</p>	<pre>const posts = [{id: "moi", upVotes: 20}, {id: "toi", upVotes: 89}, {id: "lui", upVotes: 1}, {id: "eux", upVotes: 123},];</pre>
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2. Exercice

Pour chaque code donner le schéma

```
for (let pers of posts){
  pers.indemnisation = pers.upVotes;
}
```

```
const remboursementPost_2 = posts.map( p => p["compensation"] = p.upVotes);
```

```
const remboursementPost_3 = posts.map( ( {upVotes,id} ) => {
  return {remboursement: `${upVotes*0.5}\u20AC`,id}
})
```

3. Exercice

Donner le code avec reduce qui permet d'obtenir le nombre de votants.

4. Exercice

Comment trouver les deux personnes sélectionnées pour le second tour (proposer deux solutions dont une avec un reduce)

5. Cours

Donner la fonction filtre vue en cours.

Exercice 1

```
let n=10;
const tRandom= Array.from({length: n},
(v, k) => Math.floor(Math.random()*n));

console.log(tRandom);

function getNumberCnt(arr){
  return arr.reduce(function(prev,next){
    prev[next] = (prev[next] + 1) || 1;
    return prev;
  },{});
}

console.log(getNumberCnt(tRandom));
```

<https://es6console.com/jpazml68/>

Exercice 2

<https://goo.gl/qBR5qu>

Exercice3

<https://es6console.com/jpazsk0b/>

```
const posts = [
  {id: "moi", upVotes: 20},
  {id: "toi", upVotes: 89},
  {id: "lui", upVotes: 1},
  {id: "eux", upVotes: 123},
];

const totalUpvotes = posts.reduce((totalUpvotes, currentPost) =>
  totalUpvotes + currentPost.upVotes,0
);

const totalUpvotes = posts.reduce((prev, {upVotes : next}) =>
  prev+next,0
);
const totalUpvotes = posts.reduce((prev, {upVotes}) =>
  prev+upVotes,0
);
```

```
console.log(totalUpvotes);
```

exercice4

<https://es6console.com/jpb39hvt/>

```
const posts = [  
  {id: "moi", upVotes: 20},  
  {id: "toi", upVotes: 89},  
  {id: "lui", upVotes: 1000},  
  {id: "eux", upVotes: 12},  
];  
  
let t = posts.sort(function(a,b){  
  if (a.upVotes < b.upVotes) return 1;  
  return -1;  
})
```

```
console.log(`les candidats du second tour sont ${t[0].id} et ${t[1].id}`);
```

Autre sol

```
let [premier,second] = posts.reduce((acc, cur) => [cur, ...acc].sort((a,b) => b.upVotes -  
a.upVotes).slice(0,2),[]);
```

```
console.log(`Au second tour sont présents : ${premier.id} et ${second.id}`);
```

Autre sol

```
const theTwo = function({first ,second }, cur){  
  if (cur.upVotes > first.upVotes){  
    return {first : cur,second : first}  
  }  
  if (cur.upVotes > second.upVotes)  
    return {first,second : cur}  
  
  return {first ,second}  
}
```

```
let {first,second} = posts.reduce(theTwo,{first : posts[0],second : posts[0]});
```

```
console.log(`les candidats du second tour sont ${first.id} et ${second.id}`);
```